



HP Intel Xeon E5-2440 processor 2.4 GHz 15 MB L3

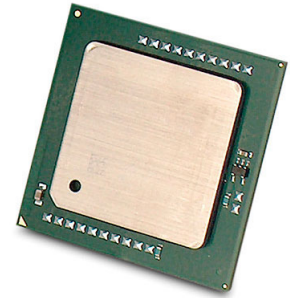
Brand : HP

Product code: 667374-B21

Product name : Intel Xeon E5-2440

Intel Xeon Processor E5-2440 (15M Cache, 2.40 GHz, 7.20 GT/s QPI)

HP Intel Xeon E5-2440. Processor family: Intel® Xeon® E5 Family, Processor socket: LGA 1356 (Socket B2), Processor lithography: 32 nm. Memory channels: Triple-channel, Maximum internal memory supported by processor: 375 GB, Memory types supported by processor: DDR3-SDRAM. Market segment: Server, Supported instruction sets: AVX, Scalability: S2S. Processor package size: 45 mm. Intel® Virtualization Technology (Intel® VT): VT-d, VT-x



Processor		Features	
Processor model *	E5-2440	Thermal Monitoring Technologies	✓
Processor base frequency *	2.4 GHz	Market segment	Server
Processor family *	Intel® Xeon® E5 Family	PCI Express slots version	3.0
Processor cores *	6	Supported instruction sets	AVX
Processor socket *	LGA 1356 (Socket B2)	Scalability	S2S
Component for	Server/workstation	CPU configuration (max)	2
Processor lithography *	32 nm	Embedded options available	✗
Processor threads	12	Processor special features	
System bus rate	7.2 GT/s	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor operating modes *	64-bit	Intel® Turbo Boost Technology	2.0
Processor boost frequency	2.9 GHz	Intel Flex Memory Access	✓
Processor cache	15 MB	Intel® Smart Cache	✓
Processor cache type	L3	Intel® AES New Instructions (Intel® AES-NI)	✓
L3 cache speed	2.4 GHz	Enhanced Intel SpeedStep Technology	✓
Thermal Design Power (TDP)	95 W	Intel Trusted Execution Technology	✓
VID Voltage Range	0.6 - 1.35 V	Intel Enhanced Halt State	✓
Stepping	C2	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	QPI	Intel Demand Based Switching	✓
Number of QPI links	1	Intel Virtualization Technology (VT-x)	✓
Memory bandwidth supported by processor (max)	32 GB/s	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory		Intel® vPro™ Platform Eligibility	✓
Maximum internal memory supported by processor	375 GB	Weight & dimensions	
Memory types supported by processor	DDR3-SDRAM	Processor package size	45 mm
Memory clock speeds supported by processor	800,1066,1333 MHz	Other features	
Memory channels *	Triple-channel	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
ECC	✓		
Features			
Execute Disable Bit	✓		
Idle States	✓		

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 22-DEC-2023. Prints or copies of Information are only valid on the printed Publication date